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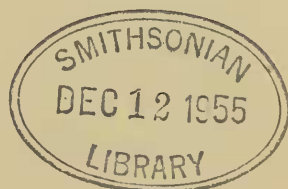
OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by
FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

VOLUME 11. Part 11. Pp. 161—172

OPINION 361

Validation under the Plenary Powers of the generic
name *Antalis* Adams (H.) & Adams (A.), [1854] (Class
Scaphopoda)



LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1955

Price Six Shillings

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 361

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(*Arranged in order of precedence by reference to date of election or of most recent
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August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Nether-
lands*) (12th August 1953)

OPINION 361

VALIDATION UNDER THE PLENARY POWERS OF THE GENERIC NAME "ANTALIS" ADAMS (H.) & ADAMS (A.), [1854] (CLASS SCAPHOPODA)

RULING :—(1) Under the Plenary Powers the generic name *Dentale* da Costa, 1778, is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 883 :—*Antalis* Adams (H.) & Adams (A), [1854] (gender : feminine) (type species, by selection by Pilsbry & Sharp (1897) : *Dentalium entalis* Linnaeus, 1758) (Class Scaphopoda).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 501 :—*entalis* Linnaeus, 1758, as published in the combination *Dentalium entalis* (specific name of type species of *Antalis* Adams (H.) & Adams (A), [1854]).

(4) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Nos. 301 and 302 respectively :—

(a) *Dentale* da Costa, 1778, as suppressed under the Plenary Powers under (1) above ;

(b) *Antalis* Herrmannsen, 1846 (a *nomen nudum*).

I. THE STATEMENT OF THE CASE

On 25th March 1952 Mrs. N. H. Ludbrook (*Canberra, A.C.T., Australia*) submitted the following application prepared jointly by Mr. William K. Emerson (*University of California, Museum of Paleontology, Berkeley, California, U.S.A.*) and herself, asking for the use of the Plenary Powers for the suppression of the generic name *Dentale* da Costa, 1778, in order to validate the generic name *Antalis*, attributed by the applicants to Herrmannsen, 1846, (Class Scaphopoda) for use in its accustomed sense :—

Proposed use of the Plenary Powers to preserve the use of the name “Antalis” Herrmannsen, 1846 (Class Scaphopoda) in its accustomed sense

By N. H. LUDBROOK, M.A., Ph.D. (*Canberra, Australia*) and
W. K. EMERSON, M.S.

(*Museum of Paleontology, University of California, Berkeley, California, U.S.A.*)

The purpose of the present application is to ask the International Commission to use its Plenary Powers in such a way as to preserve the name *Antalis* Herrmannsen, 1846 (*Indicis Gen. Malacoz. Primordia* 1 : 63) (Class Scaphopoda) for use in its accustomed sense, with *Dentalium entalis* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 785) as type species. The problem raised in the present application requires to be decided in connection with the preparation of the forthcoming *Treatise on Invertebrate Paleontology*; it is particularly hoped therefore that the International Commission will be able to give this application all practicable priority.

2. The name *Antalis* Herrmannsen, 1846, is now universally employed for the subgenus of *Dentalium* Linnaeus, 1758, typified by the species *Dentalium entalis* Linnaeus. Herrmannsen in 1846, who cited no nominal species for *Antalis*, defined this genus as follows : “Tubulorum genus a Dentaliis notis levissimis distinctum”. This may be regarded as sufficient to constitute an “indication” for the purpose of Article 25 of the *Règles*.

3. The name *Antalis* was next published with a description by H. and A. Adams in 1853 (*Gen. rec. Moll.* 1 : 45)¹, by whom “*A. semistriolata* Goulding” and “*A. entalis* Linnaeus” were cited and figured as examples of the genus, in which sixteen species were listed.

¹ For a correction of the reference here given for the name *Antalis* as published by Adams (H.) & Adams (A.) and of the date assigned to this name see paragraph 13 of the present *Opinion*.

4. In 1897 Pilsbry & Sharp (Tryon's *Man. Conch.* 17 : 37) specified *Dentalium entalis* Linnaeus, 1758, as the type species of *Antalis*, which they treated as a subgenus of *Dentalium* Linnaeus, 1758. Ever since that date, the name *Antalis* has been consistently employed in this sense.

5. In 1778, however, da Costa (*Hist. nat. Test. Brit.* : 24) used the vernacular name "Dentale" validly as a generic name (*Dentale*), using it in his description of the British scaphopod *Dentale vulgare* or "Dentale Commun". This name was introduced by da Costa to replace the name *Dentalium entalis* Linnaeus, which was placed in synonymy.

6. The species *vulgare* da Costa and *entalis* Linnaeus are now considered to be specifically distinct, but are considered to belong to the same subgenus. Thus, *Antalis* Herrmannsen, 1846 (type species : *Dentalium entalis* Linnaeus, 1758) becomes a junior subjective synonym of *Dentale* da Costa, 1778 (type species : *Dentale vulgare* da Costa).

7. Except for the single occasion in 1778, when it was introduced by da Costa, and one recent occasion, when it was used by one of us (Emerson, 1951, *Nautilus* 65 (1) : 17—20), the name *Dentale* has never been employed in a valid generic or subgeneric sense. It has, however, been widely employed in French literature as the vernacular equivalent of *Dentalium*.

8. If the name *Dentale* da Costa were now to be reintroduced to replace the name *Antalis* Herrmannsen, the nominal genus *Dentalium* Linnaeus, 1758 (*sensu lato*) would have two subgenera with virtually identical names, namely *Dentale* da Costa (type species : *Dentale vulgare* da Costa) and the nominotypical subgenus *Dentalium* Linnaeus (type species : *Dentalium elephantinum* Linnaeus).

9. It is felt that needless confusion would arise from the concurrent use of the word "Dentale" as the vernacular equivalent of *Dentalium* (*sensu lato*) and as the valid name for a subgenus of *Dentalium* distinct from *Dentalium* (*sensu stricto*).

10. Accordingly, the proposal is hereby submitted that the International Commission on Zoological Nomenclature should :—

- (1) use its Plenary Powers to suppress the generic name *Dentale* da Costa, 1778, for the purposes of the Law of Priority but not for those of the Law of Homonymy ;
- (2) place the generic name *Antalis* Herrmannsen, 1846 (gender of generic name : feminine) (type species, by selection by Pilsbry & Sharp (1897) : *Dentalium entalis* Linnaeus, 1758) on the *Official List of Generic Names in Zoology* ;

- (3) place the trivial name *entalis* Linnaeus, 1758, as published in the combination *Dentalium entalis* (trivial name of type species of *Antalis* Herrmannsen, 1846) on the *Official List of Specific Trivial Names in Zoology* ;
- (4) place the generic name *Dentale* da Costa, 1778, as proposed, in (1) above, to be suppressed under the Plenary Powers, on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

II. THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : Upon the receipt of the application prepared jointly by Mrs. Ludbrook and Mr. Emerson the question of the validation under the Plenary Powers of the generic name *Antalis* Herrmannsen, 1846, was allotted the Registered Number Z.N.(S.) 665.

3. Publication of the present application : The present application was sent to the printer on 7th April 1952 and was published in volume 6 of the *Bulletin of Zoological Nomenclature* on 22nd May 1952 (Ludbrook & Emerson, 1952, *Bull. zool. Nomencl.* 6 : 203—204).

4. Issue of Public Notices : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of the Plenary Powers in the present case was issued on 22nd May 1952 (a) in Part 7 of volume 6 of the *Bulletin of Zoological Nomenclature* (the Part in which the Ludbrook/Emerson application was published) and (b) to the other prescribed serial publications. In addition, such Public Notice was given also to a number of general zoological serial publications.

5. Comment received from Dr. Henry A. Pilsbry (The Academy of Natural Sciences of Philadelphia, Philadelphia, Pennsylvania, U.S.A.) : The issue of the Public Notices specified in paragraph 4 above elicited no objection to the general purpose of the present application but in a letter dated 19th December 1952 Dr. Henry

A. Pilsbry (*The Academy of Natural Sciences of Philadelphia*) objected to the acceptance of the name *Antalis* as from Herrmannsen, 1846. The portion of Dr. Pilsbry's letter dealing with this subject was as follows :—

In the proposal to preserve the name "*Antalis* Herrmannsen" (*Bull. Zool. Nomencl.* Vol. 6, p. 203), I would call the attention of the Commission to the fact that Herrmannsen cannot properly be given as authority. He listed the name as of Aldrovandus, gave no definition whatever and mentioned no species. He says of it : "A genus of tubule shells distinguished from *Dentalium* by very slight characters". This remark is incorrectly mentioned by Ludbrook and Emerson as "sufficient to constitute an 'indication' for the purpose of Article 25 of the *Règles*".

6. Action taken in the light of the comment received from Dr. Henry A. Pilsbry : The criticism by Dr. Henry A. Pilsbry of the acceptance, as proposed, of the name *Antalis* as from Herrmannsen (1846) was examined by Mr. Hemming, as Secretary, who on 25th October 1953 informed Mrs. Ludbrook and Mr. Emerson that on reflection he had come to the conclusion that Dr. Pilsbry's criticism was well-founded and that the name *Antalis* Herrmannsen, 1846, ought therefore to be regarded as a *nomen nudum*. Mr. Hemming went on to say that in these circumstances he had been considering how it would be possible to secure the end sought in the application submitted, while at the same time treating the above name as possessing no status in zoological nomenclature. Mr. Hemming thereupon put forward the suggestion that the only modifications required were (1) the substitution of *Antalis* H. & A. Adams, 1853, for the *Antalis* Herrmannsen, 1846, as the name to be placed on the *Official List of Generic Names in Zoology*, and (2) the addition of Herrmannsen's *Antalis* to the *Official Index of Rejected and Invalid Generic Names in Zoology*. This action would ensure that the generic name *Antalis* would be available for use in its accustomed sense. The only possible objection to this course, Mr. Hemming added, would be if on some date between the publication of the name *Antalis* by Herrmannsen in 1846 and the re-publication of that name by H. & A. Adams, some other generic name had been published for the genus in question ; there was no evidence to suggest that anything of the sort had happened, and, so far as he (Mr. Hemming) was aware, the danger described above was purely theoretical. Mr. Hemming concluded by saying that,

subject to any observations which the applicants might wish to raise, he proposed to submit to the Commission the revised proposal which he had outlined. By letters dated respectively 2nd and 12th November 1953 Mrs. Ludbrook and Mr. Emerson intimated their acquiescence in the revised action proposed.

7. Preparation for the consideration of the Commission of revised proposals prepared in the light of the criticisms advanced by Dr. Henry A. Pilsbry : On 9th March 1954 Mr. Hemming prepared for submission to the Commission a brief report on the action which he had taken in this case (paragraph 6 above). Annexed to this Report was the following draft of a revised Ruling which he commended to the attention of the Commission :—

Draft Ruling

- (1) Under the Plenary Powers, the generic name *Dentale* da Costa, 1778, is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy ;
- (2) The generic name *Antalis* H. & A. Adams, 1853 (gender : feminine) (type species, by selection by Pilsbry & Sharp (1897) : *Dentalium entalis* Linnaeus, 1758) is hereby placed on the *Official List of Generic Names in Zoology* ;
- (3) The specific name *entalis* Linnaeus, 1758, as published in the combination *Dentalium entalis*, is hereby placed on the *Official List of Specific Names in Zoology* ;
- (4) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* :
 - (a) *Dentale* da Costa, 1778, as suppressed under (1) above ;
 - (b) *Antalis* Herrmannsen, 1846 (*nomen nudum*).

III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

8. Issue of Voting Paper V.P.(54)29 : On 17th March 1954, a Voting Paper (V.P.(54)29) was issued in which the Members of the Commission were invited to vote either for, or against, " the proposal relating to the name *Antalis* H. & A. Adams, 1853,

as set out in the draft Ruling at the foot of the present Voting Paper" [i.e. the draft Ruling reproduced in paragraph 7 of the present *Opinion*].

9. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 17th June 1954.

10. Particulars of the Voting on Voting Paper V.P.(54)29 : At the close of the Prescribed Voting Period the state of the voting on Voting Paper V.P.(54)29 was as follows :—

(a) *Affirmative Votes had been given by the following nineteen (19) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Holthuis ; Vokes ; Hering ; Bonnet ; Boschma ; Lemche ; Dymond ; do Amaral ; Esaki ; Mertens ; Hemming ; Sylvester-Bradley ; Bradley (J. C.) ; Hankó ; Pearson ; Stoll ; Cabrera ; Jaczewski ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

11. Declaration of Result of Vote : On 18th June 1954, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(54)29, signed a Certificate that the Votes cast were as set out in paragraph 10 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

12. Correction of the date attributed to the generic name "Antalis" Adams (H.) & Adams (A.) : In a letter dated 8th June 1954 Commissioner Jaczewski, when returning his completed Voting Paper, drew attention to a printing error in the application submitted in this case where it had been stated incorrectly that the name *Antalis* Adams (H.) & Adams (A.) had been published on page 45 of vol. 1 of the *Genera of Recent Mollusca*, whereas the correct page reference was page 457. At the same time Commissioner Jaczewski expressed the view that the date "1853" assigned to this name in the present application was almost certainly incorrect and asked that this matter should be investigated before an *Opinion* was prepared in regard to this case.

13. The question raised by Commissioner Jaczewski in his letter of 8th June 1954 was investigated by Mr. Hemming, as Secretary, who on 10th July 1954 placed the following Minute on the Commission's File Z.N.(S.) 665 :—

Correction of the date and page reference attributed to the name "Antalis" Adams (H.) & Adams (A.)

In the application submitted in this case by Mrs. N. H. Ludbrook and Mr. William K. Emerson the generic name *Antalis* Adams (H.) & Adams (A.) was treated as having been published in the year 1853, and in the revised proposal submitted by myself in Voting Paper V.P.(54)29 [i.e. in the proposal reproduced in paragraph 7 of the present *Opinion*] the same date was adopted. On the receipt of Commissioner Jaczewski's letter of 8th June 1954, in which he questioned the accuracy of the foregoing date, I investigated the question of the date properly attributable to the work by Henry and Arthur Adams entitled *The Genera of Recent Mollusca*, the work in which the generic name *Antalis* was published by those authors. I found that the criticism advanced by Commissioner Jaczewski was well-founded and that the date "1853" attributed to the name *Antalis* Adams (H.) & Adams (A.) was incorrect. This work which was published in three volumes (two volumes, each with separate pagination, and one volume of plates) was examined critically by S. P. Woodward, whose manuscript notes were published in 1903 in volume 1 of the *Catalogue of the Library of the British Museum (Natural History)* (: 11). Woodward's notes show that the text of this work was published in 36 Parts issued between 1853 and 1858. Volume 1 was published in 15 Parts as follows :—

Parts	1—8	Vol. 1, pp.	1—256	1853
„	9—15	„ „	257—484	1854

2. The name *Antalis* was published on page 457 (not page 45 as inadvertently appeared in the application) of volume 1 of the foregoing work and accordingly, as the evidence provided by Woodward shows, was published in 1854. The date to be attributed to this name in the Ruling to be prepared in relation to the present case is therefore to be amended accordingly.

14. Preparation of the Ruling given in the present "Opinion" : On 22nd February 1955, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(54)29, subject to the correction of the date assigned to the name *Antalis* Adams (H.) & Adams (A.), as specified in the Secretary's Minute of 10th July 1954 (paragraph 13 above).

15. Original References : The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

Antalis Herrmannsen, 1846, *Indicis Gen. Malacozool. Primordia*
1 : 63

Antalis Adams (H.) & Adams (A.), [1854], *Gen. rec. Moll.*
1 : 457

Dentale da Costa, 1778, *Hist. nat. Test. Brit.* : 24

entalis, *Dentalium*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 785

16. The following is the reference for the selection of a type species for the nominal genus *Antalis* Adams (H.) & Adams (A.), [1854], specified in the Ruling given in the present *Opinion* :—

Pilsbry & Sharp, 1897, Tryon's *Man. Conch.* 17 : 37.

17. Family-group name problem : The nominal genus *Antalis* Adams (H.) & Adams (A.), [1854], is not the type genus of a family-group taxon and accordingly no question arises in the present case of placing any name on the *Official List of Family-Group Names in Zoology*.

18. At the time of the submission of the application dealt with in the present *Opinion*, the expression prescribed for the

second portion of the binomen which constitutes the scientific name of a species was the expression "trivial name" and the *Official List* reserved for recording such names was styled the *Official List of Specific Trivial Names in Zoology*, the word "trivial" appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the expression "specific name" was substituted for the expression "trivial name" and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

19. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

20. The present *Opinion* shall be known as *Opinion* Three Hundred and Sixty-One (361) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Second day of February, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING